

# HYBRID AUTOMOTIVE POWERTRAIN WITH TORSIONAL VIBRATION DAMPER

## Abstract

A geared, power transmission mechanism for a hybrid electric vehicle wherein multiple power flow paths are established between an engine and vehicle traction wheels and between an electric motor and the vehicle traction wheels. A vibration damper assembly, including damper springs and motor inertia mass, is located at the torque output side of the electric motor, whereby inertia torsional vibrations are attenuated.